

Amendments to the Claims

Claim 1 (Currently Amended)

A method of facilitating the information gathering and documentation phases of a custom design process, said method comprising the steps of:

generating a first set of data structures for storing design constraint information,
responsive to a previously obtained list of inputs; said inputs identifying any invariant external constraints and preexisting issues affecting the custom design process;

said first set of data structures comprising two or more tables, at least one of said tables in said first set being used to store firm design constraints, at least one other of said tables in said first set being used to hold flexible design constraints; and

determining said design constraint information; and

storing said design constraint information in at least one of said two or more tables; and

assigning a class attribute to each design constraint; and

generating a second set of data structures for processing said design constraint information, said second set of data structures being greater in number than said first set, said class attributes determining the relationship between said first set of data structures and said second set of data structures; and

translating said stored design constraint information from said first set of data structures into said second set of data structures for subsequent processing during said custom design process.

Claim 2 (Original). The method of claim 1, wherein said custom design process is an information technology architecture design process.

Claim 3 (Original). The method of claim 1, wherein said first set of data structures comprises a plurality of tables for storing firm design constraints.

Claim 4 (Original). The method of claim 1, wherein said first set of data structures comprises a plurality of tables for storing flexible design constraints.

Claim 5 (Currently Amended). The method of claim 1, wherein said storing is performed on an electronic computer and said translating is performed by said electronic computer.

Claim 6 (Currently Amended). The method of claim 5, wherein said [translating is performed by said electronic computer] previously obtained list of inputs can be categorized and applied to appropriate class attributes.

7. (Currently amended) At least one program storage device readable by a machine tangibly embodying at least one program of instructions executable by machine to perform a method for facilitating the information gathering and documentation phases of a custom design process, said method comprising the steps of:

generating a first set of data structures for storing design constraint information
responsive to a previously obtained list of inputs; said inputs identifying any invariant external constraints and preexisting issues affecting the custom design process

said first set of data structures comprising two or more tables, at least one of said tables in said first set being used to store firm design constraints, at least one other of said tables in said first set being used to hold flexible design constraints; and

determining said design constraint information; and

storing said design constraint information in at least one of said two or more tables; and

assigning a class attribute to each design constraint; and

generating a second set of data structures for processing said design constraint information, said second set of data structures being greater in number than said first set, said class attributes determining the relationship between said first set of data structures and said second set of data structures; and

translating said stored design constraint information from said first set of data structures into said second set of data structures for subsequent processing during said custom design process.

Claim 8 (Original). The method of claim 7, wherein said custom design process is an information technology architecture design process.

Claim 9 (Original). The method of claim 7, wherein said first set of data structures comprises a plurality of tables for storing firm design constraints.

Claim 10 (Original). The method of claim 7, wherein said first set of data structures comprises a plurality of tables for storing flexible design constraints.

Claim 11 (Currently Amended). A device for facilitating the information gathering and documentation phases of a custom design process, said device comprising:

an input device for entering design constraint information;

said input device having a data gathering component for capturing and generating a list of invariant external constraints and preexisting issues affecting a custom design solution;

storage means for storing said design constraint information and said list, including at least one data structure storing flexible design constraints, and further including at least one data structure storing firm design constraints;

association means for assigning one or more attributes to each of said design constraints and responsive to said generated list;

a [display] graphical user interface for presenting said stored design constraints and assigned attributes to a user;

a processor for translating said stored design constraint information from said stored data structures into a structured design document for subsequent processing during said custom design process.

Claim 12 (Original). The device of claim 11, wherein said custom design process is an information technology architecture design process.

Claim 13 (Original). The device of claim 11, wherein a plurality of data structures store flexible design constraints.

Claim 14 (Original). The device of claim 11, wherein a plurality of data structures store firm design constraints.

Claim 15 (Original). The device of claim 11, wherein said processor is an electronic computer.

Claim 16 (Original). The device of claim 15, wherein said input device is a pointing device.

Claim 17 (Original). The device of claim 15, wherein said input device is a text input device.

Claim 18 (New). The device of claim 15, wherein said data gathering component is a workstation based application.

Claim 19 (New). The device of claim 15, wherein said input device comprises a section for entry of comments, a section for entry of input and a display section for previously entered items.

Claim 20 (New). The method of claim 15, wherein said graphical user interface includes a display.